

Upstate Forever

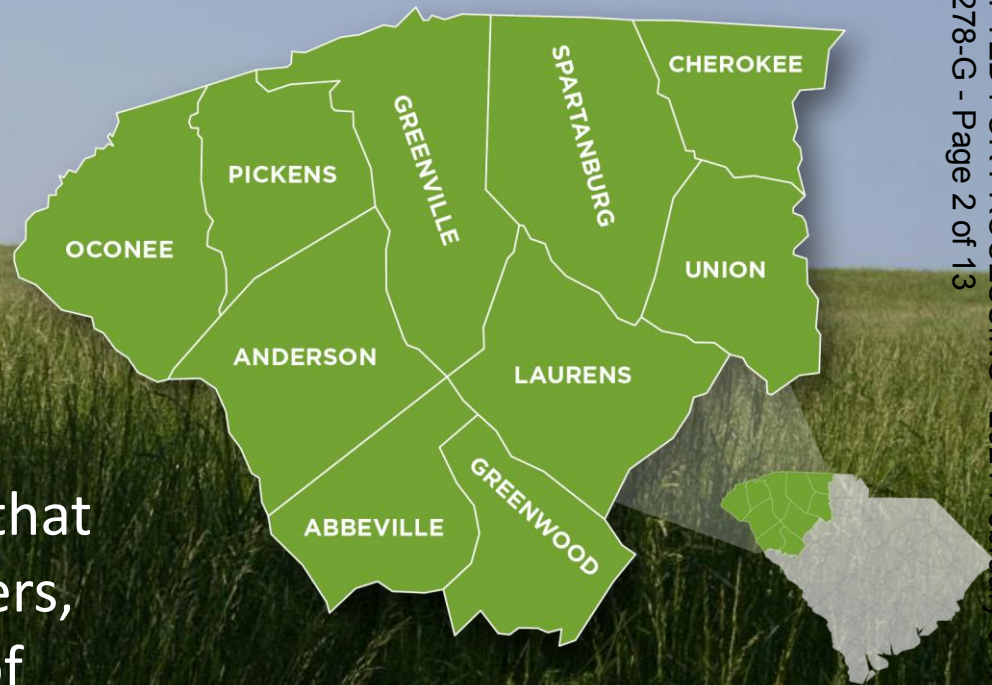
Presentation before the SC Public Service Commission

Generic Proceeding in Docket No. 2012-278-G

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February 4, 2021

Upstate Forever is a conservation organization that protects critical lands, waters, and the unique character of the Upstate of South Carolina.



Upstate Pipeline Intensity

GAS **LIQUID**

Five Gulf to Northeast Transmission Pipelines

Williams Transcontinental NG **42"**
 Plantation Pipeline liquids **26"**
 Plantation Pipeline petroleum **14"**
 Colonial Pipeline petroleum **40"**
 Colonial Pipeline petroleum **36"**

Six Major Transmission Laterals

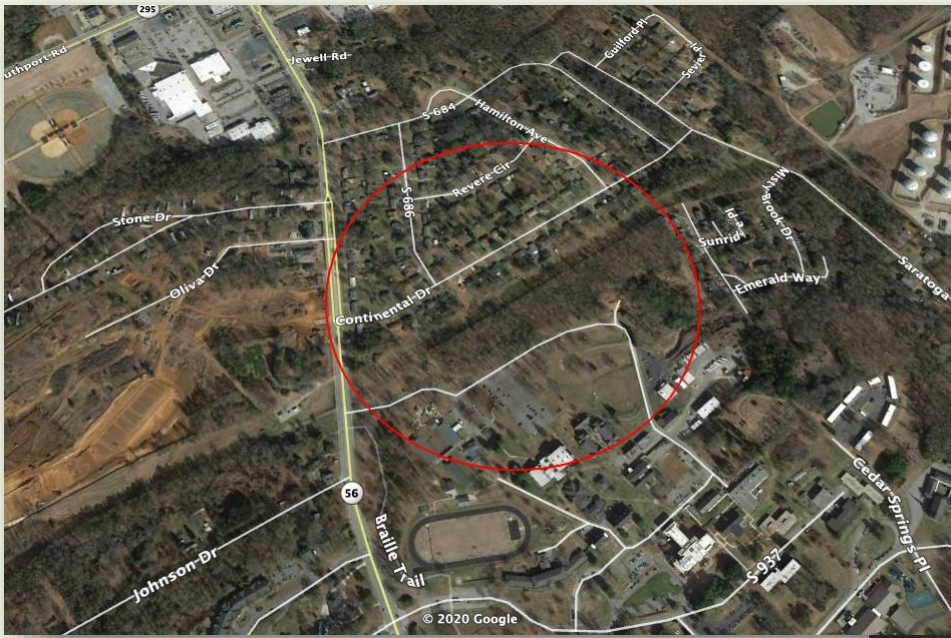
- A** Williams Transcontinental Tryon Lateral **16"**
- B** Berkshire Hathaway Transco to Grover Lateral **16"**
- C** Berkshire Hathaway Transco to Carlisle Lateral **8"**
- D** Berkshire Hathaway Transco to Chappells Lateral **12"**
- E** Colonial to Augusta 1 Lateral **16"**
- F** Colonial to Augusta 2 Lateral (size unknown)

Note: Berkshire Hathaway purchased the Dominion Carolinas Gas Transmission (DCGT) system in 2020



Spartanburg County
347 miles of petroleum and natural gas transmission pipeline
236 of which is natural gas, plus a major compressor station (PHMSA data)

At left, the Williams Transcontinental ROW runs between a neighborhood and the **SC School for the Deaf and Blind** campus, with a new neighborhood under construction along the pipeline across Highway 56. The red circle represents a 1,000 foot radius blast zone.



On the right, the 12" Transco to Chappells lateral passes immediately behind a private home.



Pipeline construction impacts in the Upstate



Pipeline construction impacts in the Upstate



Pipeline construction impacts in the Upstate



Pipeline construction impacts in the Upstate



ACCEPTED FOR PROCESSING - 2021 February 3 1:56 PM - SCPS6 -
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Plan Greenville County Future Land Use Map

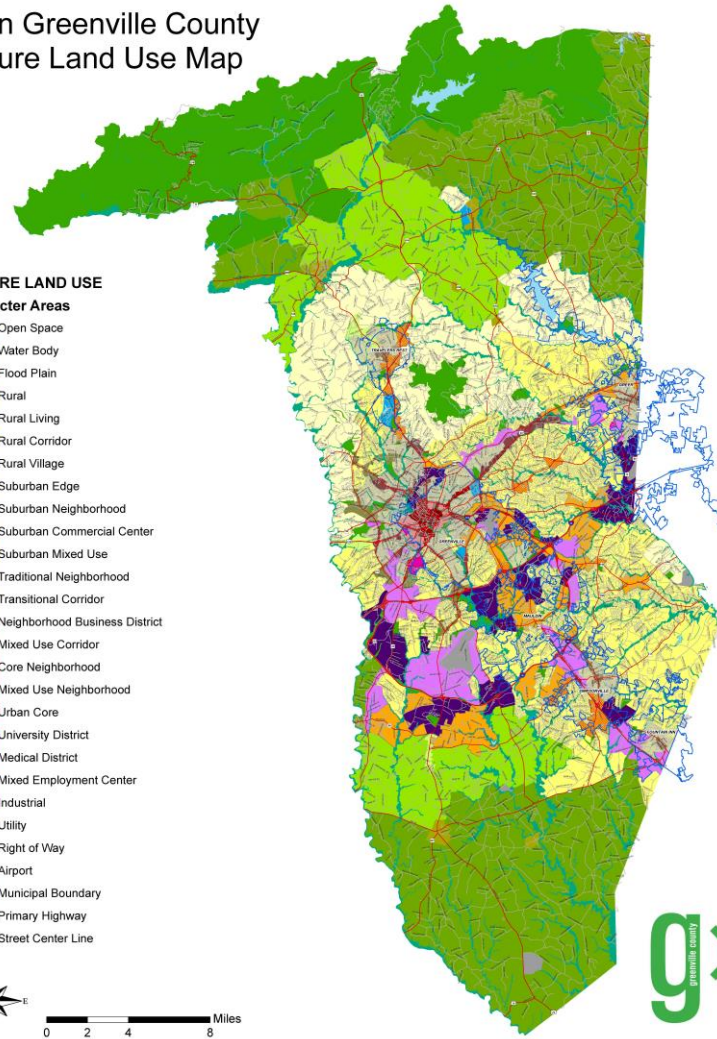
FUTURE LAND USE

Character Areas

- Open Space
- Water Body
- Flood Plain
- Rural
- Rural Living
- Rural Corridor
- Rural Village
- Suburban Edge
- Suburban Neighborhood
- Suburban Commercial Center
- Suburban Mixed Use
- Traditional Neighborhood
- Transitional Corridor
- Neighborhood Business District
- Mixed Use Corridor
- Core Neighborhood
- Mixed Use Neighborhood
- Urban Core
- University District
- Medical District
- Mixed Employment Center
- Industrial
- Utility
- Right of Way
- Airport
- Municipal Boundary
- Primary Highway
- Street Center Line



0 2 4 8 Miles



PNG Pipeline Capacity vs Demand

An 8 inch high pressure pipeline can carry tens of thousands of dekatherms per day (dkth/d).

PNG projects growth of **2,400 households** in northern Greenville County.

An average home consumes .2 dkth/d.

$$2,400 \times .2 = \mathbf{480 \text{ dkth/d.}}$$

Commercial and industrial users range from **50 dkth/d to 3,000 dkth/d**



.2 dkth/d



50-3,000 dkth/d

Docket No. 2012-278-G – Construction Costs

- ✓ Since July of 2012 – 67 projects
- ✓ 2013: 3 projects
- ✓ 2014: 4 projects
- ✓ 2015: 8 projects
- ✓ 2015: 10 projects
- ✓ 2016: 10 projects (Duke acquires PNG October 3, 2016)
- ✓ 2017: 8 projects
- ✓ 2018: 15 projects
- ✓ 2019: 2 projects
- ✓ 2020: 16 projects
- ✓ TEN projects were filed at once on July 7, days after the ACP cancellation was announced

Thank you.



UPSTATE
FOREVER